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PROFESSIONAL PREPARATION

Undergraduate Institution: University of Tokyo	Major: Zoology,	B.S. degree, 1987
Graduate Institution: University of Tokyo	Major: Zoology,	M.S. degree, 1989
		D.S. degree, 2003

APPOINTMENTS

2008-present: *Director and Professor of Marine Ecology*, Akkeshi Marine Station, Field Science Center for Northern Biosphere, Hokkaido University
2007-2008: *Associate Professor of Ecology*, Graduate School of Science, Chiba University
2001-2007: *Associate Professor of Ecology*, Graduate School of Science and Technology, Chiba University
1994-1995: *Visiting Scientist*, Institute of Marine Sciences, University of North Carolina at Chapel Hill
1993-2001: *Research Associate*, Ocean Research Institute, University of Tokyo

PROFESSIONAL ACTIVITIES

(i) Activities in international academic societies

- Science Planning Committee, Life in a Changing Ocean (2011-present)
- Steering Committee, World Seagrass Association (2012-present)

(ii) Activities in Japanese academic societies

- National Committee, Ecological Society of Japan (2010-2014)
- Steering Committee, Society of Population Ecology (2010-2015)
- Steering Committee, Society of Japanese Benthology (2009-2013, 2003-2007)

(iii) Editorial roles in scientific journals

- Deputy Editor-in-Chief, *Ecological Research* (2016-present)
- Associate Editor, *Estuaries and Coasts* (2015-present)
- Editorial Board, *Ecological Research* (2007-present)
- Editorial Board, *Population Ecology* (2005-present)

(iv) Activities in International Cooperative Research and Education

- Principal Investigator of TSUNAGARI project by Belmont Forum (2015-present)
- Japanese host of ZEN (Zostera Experimental Network, funded by NSF) (2010-present)
- Japanese host of GAME (Global Approach by Modular Experiment, IFM-Geomar, Germany) (2006-present)
- Active members of International Network & Training Office in Global COE Program in Graduate School of Environmental Science & Graduate School of Agriculture, Hokkaido University (2008-2013)
- Executive committee member of Japan Long-term Ecological Research Network (2006-present)

(v) Committee in governmental and provincial projects

- Board members for coastal ecosystem monitoring, Monitoring Sites 1000, Ministry of the Environment, Japan (2007-present)
- Committee for selecting important marine areas for marine biodiversity protection, Ministry of the

Environment, Japan (2010-2011)

- Working group for the promotion of monitoring for global climate change, Ministry of Environment, Japan (2008-2010)

Selected publications

- Nakaoka, M. (1997) Demography of the marine bivalve *Yoldia notabilis* in fluctuating environments: an analysis using stochastic matrix model. *Oikos* 79: 59-68
- Nakaoka, M. (2005) Plant-animal interactions in seagrass beds: ongoing and future challenges for understanding population and community dynamics. *Population Ecology* 47: 167-177
- Nakaoka, M. (2000) Nonlethal effects of predators on prey populations: predator-mediated change in bivalve growth. *Ecology* 81: 1031-1045
- Nakaoka, M., Kouchi, N. and Aioi, K. (2003) Seasonal dynamics of *Zostera caulescens*: relative importance of flowering shoots to net production. *Aquatic Botany* 77: 277-293
- Aioi, K. and Nakaoka, M. (2003) Seagrasses of Japan. In, Green, E.P. and Short, F.T., editors, *World Atlas of Seagrasses*. University of California Press, Berkeley, USA, pp. 185-192
- Nakaoka, M. (2005) Plant-animal interactions in seagrass beds: ongoing and future challenges for understanding population and community dynamics. *Population Ecology* 47: 167-177
- Nakaoka, M., Ito, N., Yamamoto, T., Okuda, T. and Noda, T. (2006) Similarity of rocky intertidal assemblages along the Pacific Coast of Japan: Effects of spatial scales and geographic distance. *Ecological Research* 21: 425-435
- Whanpetch, N., Nakaoka, M., Mukai, H., Suzuki, T., Nojima, S., Kawai, T. and Aryuthaka, C. (2010) Temporal changes in benthic communities of seagrass beds impacted by a tsunami in the Andaman Sea, Thailand. *Estuarine, Coastal and Shelf Science* 87: 246-252
- Yamakita, T., Wanatabe, K. and Nakaoka, M. (2011) Asynchronous local dynamics contributes to stability of a seagrass bed in Tokyo Bay. *Ecography* 34: 519-528
- Wahl, M., Link, H., Alexandridis, N., Thomason, J. C., Cifuentes, M., Costello, M. J., da Gama, B. A. P., Hillock, K., Hobday, A. J., Kaufmann, M. J., Keller, S., Kraufvelin, P., Kruger, I., Lauterbach, L., Antunes, B. L., Molis, M., Nakaoka, M., Nyström, J., bin Radzi, Z., Stockhausen, B., Thiel, M., Vance, T., Weseloh, A., Whittle, M., Wiesmann, L., Wunderer, L., Yamakita, T. and Lenz, M. (2011) Re-structuring of marine communities exposed to environmental change: a global study on the interactive effects of species and functional richness. *PLoS ONE* 6(5): e19514.
- Nakaoka, M., Lee, K-S., Huang, X., Almonte, T., Sidik Bujang, J., Kiswara, W., Ambo Rappe, R., Maryam Yaakub, S., Prabhakaran, M.P., Abu Hena M.K., Hori, M., Zhang, P., Prathep, A. and Fortes, M. D. (2014) Regional comparison of the ecosystem services from seagrass beds in Asia. In: (S. Nakano et al. eds.) *Integrative Observations and Assessments*. *Ecological Research Monographs*, Springer, pp. 367-391
- Yamakita, T., Yamamoto, H., Nakaoka, M., Yamano, H., Fujikura, K., Hidaka, K., Hirota, Y., Ichikawa, T., Kakehi, S., Kameda, T., Kitajima, S., Kogure, K., Komatsu, T., Kumagai, N. H., Miyamoto, H., Miyashita, K., Morimoto, H., Nakajima, R., Nishida, S., Nishiuchi, K., Sakamoto, S., Sano, M., Sudo, K., Sugisaki, H., Tadokoro, K., Tanaka, K., Jintsu-Uchifune, Y., Watanabe, K., Watanabe, H., Yara, Y., Yotsukura, N. and Shirayama, Y. (2015) Identification of important marine areas around the Japanese Archipelago: Establishment of a protocol for evaluating a broad area using ecologically and biologically significant areas selection criteria. *Marine Policy* 51: 136-147
- Duffy, J.E., Reynolds, P.L., Boström, C., Coyer J.A., Cusson, M., Donadi, S., Douglass, J.A., Eklöf, J.S., Engelen, A.H., Eriksson, B.K., Fredriksen, S., Gamfeldt, L., Gustafsson, C., Hoarau, G., Hori, M., Hovel, K., Iken, K., Lefcheck, J.S., Moksnes, P-O., Nakaoka, M., O'Connor, M.I., Olsen, J.L., Richardson, J.P., Ruesink, J.L., Sotka E.E., Thormar, J., Whalen, M.A. and Stachowicz, J.J. (2015) Biodiversity mediates top-down control in eelgrass ecosystems : a global comparative-experimental approach. *Ecology Letters* 18: 696-705